

Contents Volume 23

Nos. 1/2

- C.M. West and G.W. Erds (U.S.A.)
The expression of glycoproteins in the extracellular matrix of the cellular slime mold *Dictyostelium discoideum* (CDF 00473) 1
- D. Ostrovsky, J.W. Sanger and J.W. Lash (U.S.A.)
Somitogenesis in the mouse embryo (CDF 00484) 17
- D. Baretino, G. Morcillo and J.-L. Diez (Spain)
Induction of the heat-shock response by carbon dioxide in *Chironomus thummi* (CDF 00475) 27
- J.S. Dome, B. Mittal, M.B. Pochapin, J.M. Sanger and J.W. Sanger (U.S.A.)
Incorporation of fluorescently labeled actin and tropomyosin into muscle cells (CDF 00476) 37
- E.R. Gaginskaya, V.L. Kasyanov and G.L. Kogan (U.S.S.R.)
Amplification of ribosomal genes and formation of extrachromosomal nucleoli in oocytes of starfish *Henricia hayashi* (Asteroidea: Echinasteridae) (CDF 00477) 53
- E. Livne, A. Weiss and M. Silbermann (Israel)
Differentiation of cartilage cells studied by quantitative [³H]thymidine autoradiography in vitro (CDF 00479) 61
- M.-O. Mattsson, H. Løvtrup-Rein and S. Løvtrup (Sweden)
Factors involved in the formation and stabilization of cell aggregates obtained from amphibian embryonic explants (CDF 00481) 69
- G. Oetting, H. Schmidt, A. Show-Klett and U. Drews (F.R.G.)
Expression of the Ca²⁺ mobilizing muscarinic system in the chick embryo correlates with morphogenesis (CDF 00483) 77
- C. Dorel and M. Coulon (France)
Regulation of gene expression in prediapausing embryos of the silkworm, *Bombyx mori*: pattern of protein synthesis (CDF 00482) 87

- A. Bally and V. Schmid (Switzerland)
The jellyfish and its polyp: a comparative study of gene expression monitored by the protein patterns, using two-dimensional gels with double-label autoradiography (CDF 00486) 93
- R.B. Finley and C.L. Parker (U.S.A.)
Lack of differentiation following mouse serum treatment of cultured chick limb myoblasts (CDF 00485) 103
- T. Ozaki, M. Hasegawa, Y. Hamada, M. Tasaka, M. Iwabuchi and I. Takeuchi (Japan)
Molecular cloning of cell-type-specific cDNAs exhibiting new types of developmental regulation in *Dictyostelium discoideum* (CDF 00487) 119
- R.J. Aerts (The Netherlands)
Changes in cytoplasmic pH are involved in the cell type regulation of *Dictyostelium* (CDF 00488) 125
- M. Mochii, T. Takeuchi, R. Kodama, K. Agata and G. Eguchi (Japan)
The expression of melanosomal matrix protein in the transdifferentiation of pigmented epithelial cells into lens cells (CDF 00489) 133
- R. Moriyama and K. Yanagisawa (Japan)
Synthesis of specific protein for sexual development in *Dictyostelium discoideum* (CDF 00490) 143
- Contents of "Development, Growth & Differentiation"
Vol. 29, Nos. 5 and 6 151

No. 3

- D.G. Capco and M.D. Mecca (U.S.A.)
Analysis of proteins in the peripheral and central regions of amphibian oocytes and eggs (CDF 00491) 155
- B. Péault, M. Colley and N.M. Le Douarin (France)
Ontogenic emergence of a quail leukocyte/endothelium cell surface antigen (CDF 00492) 165
- J. Ausio and K.E. Van Holde (U.S.A.)
The histones of the sperm of *Spisula solidissima* include a novel, cysteine-containing H-1 histone (CDF 00493) 175

- Y. Yokota and K.H. Kato (Japan)
Degradation of yolk proteins in sea urchin eggs and embryos (CDF 00494) 191
- J.C. Labbé, A. Picard and M. Dorée (France)
ATP- γ -S (adenosine 5'-O-(3-thiotriphosphate)) microinjection increases progesterone-stimulated histone kinase activity in *Xenopus* oocytes (CDF 00495) 201
- K. Nomura, T. Tajima, H. Nomura, H. Shiraishi, M. Uchida and K. Yamana (Japan)
Cell to cell adhesion systems in *Xenopus laevis*, the South African clawed toad II: Monoclonal antibody against a novel Ca^{2+} -dependent cell-cell adhesion glycoprotein on amphibian cells (CDF 00496) 207
- R.H. Clothier, L. Kandola, M. Mirchandani, A. Ellis, P. Wood, Z. Last, M. Balls and L.N. Ruben (U.K., U.S.A.)
Responses in *Xenopus* to the thymus independent antigen polyvinylpyrrolidone (PVP) and its haptenated derivative, trinitrophenylated PVP (TNP-PVP) (CDF 00500) 213
- P. Orlando, R. Geremia, C. Frusciante, B. Tedeschi and P. Grippo (Italy)
DNA repair synthesis in mouse spermatogenesis involves DNA polymerase β activity (CDF 00498) 221
- M. Kalina and S. Riklis (Israel)
Alveolar type II-like cell colonies: effect of alveolar macrophages and macrophage-conditioned media (CDF 00499) 231





Author Index Volume 23

- Aerts, R.J.
Changes in cytoplasmic pH are involved in the cell type regulation of *Dictyostelium* (23) 125
- Agata, K., see Mochii, M. (23) 133
- Ausio, J. and Van Holde, K.E.
The histones of the sperm of *Spisula solidissima* include a novel, cysteine-containing H-1 histone (23) 175
- Bally, A. and Schmid, V.
The jellyfish and its polyp: a comparative study of gene expression monitored by the protein patterns, using two-dimensional gels with double-label autoradiography (23) 93
- Balls, M., see Clothier, R.H. (23) 213
- Baretino, D., Morcillo, G. and Díez, J.-L.
Induction of the heat-shock response by carbon dioxide in *Chironomus thummi* (23) 27
- Capco, D.G. and Mecca, M.D.
Analysis of proteins in the peripheral and central regions of amphibian oocytes and eggs (23) 155
- Clothier, R.H., Kandola, L., Mirchandani, M., Ellis, A., Wood, P., Last, Z., Balls, M. and Ruben, L.N.
Responses in *Xenopus* to the thymus independent antigen polyvinylpyrrolidone (PVP) and its haptenated derivative, trinitrophenylated PVP (TNP-PVP) (23) 213
- Colley, M., see Péault, B. (23) 165
- Coulon, M., see Dorel, C. (23) 87
- Díez, J.-L., see Baretino, D. (23) 27
- Dome, J.S., Mittal, B., Pochapin, M.B., Sanger, J.M. and Sanger, J.W.
Incorporation of fluorescently labeled actin and tropomyosin into muscle cells (23) 37
- Dorée, M., see Labbé, J.C. (23) 201
- Dorel, C. and Coulon, M.
Regulation of gene expression in prediapausing embryos of the silkworm, *Bombyx mori*: pattern of protein synthesis (23) 87
- Drews, U., see Oetting, G. (23) 77
- Eguchi, G., see Mochii, M. (23) 133
- Ellis, A., see Clothier, R.H. (23) 213
- Erdos, G.W., see West, C.M. (23) 1
- Finley, R.B. and Parker, C.L.
Lack of differentiation following mouse serum treatment of cultured chick limb myoblasts (23) 103
- Frusciante, C., see Orlando, P. (23) 221
- Gaginskaya, E.R., Kasyanov, V.L. and Kogan, G.L.
Amplification of ribosomal genes and formation of extrachromosomal nucleoli in oocytes of starfish *Henricia hayashi* (Asteroidea: Echinasteridae) (23) 53
- Geremia, R., see Orlando, P. (23) 221
- Grippio, P., see Orlando, P. (23) 221
- Hamada, Y., see Ozaki, T. (23) 119
- Hasegawa, M., see Ozaki, T. (23) 119
- Iwabuchi, M., see Ozaki, T. (23) 119
- Kalina, M. and Riklis, S.
Alveolar type II-like cell colonies: effect of alveolar macrophages and macrophage-conditioned media (23) 231
- Kandola, L., see Clothier, R.H. (23) 213
- Kasyanov, V.L., see Gaginskaya, E.R. (23) 53
- Kato, K.H., see Yokota, Y. (23) 191
- Kodama, R., see Mochii, M. (23) 133
- Kogan, G.L., see Gaginskaya, E.R. (23) 53
- Labbé, J.C., Picard, A. and Dorée, M.
ATP- γ -S (adenosine 5'-O-(3-thiotriphosphate)) microinjection increases progesterone-stimulated histone kinase activity in *Xenopus* oocytes (23) 201
- Lash, J.W., see Ostrovsky, D. (23) 17
- Last, Z., see Clothier, R.H. (23) 213
- Le Douarin, N.M., see Péault, B. (23) 165
- Livne, E., Weiss, A. and Silbermann, M.
Differentiation of cartilage cells studied by quantitative [3 H]thymidine autoradiography in vitro (23) 61
- Løvtrup-Rein, H., see Mattsson, M.-O. (23) 69
- Løvtrup, S., see Mattsson, M.-O. (23) 69
- Mattsson, M.-O., Løvtrup-Rein, H. and Løvtrup, S.
Factors involved in the formation and stabilization of cell aggregates obtained from amphibian embryonic explants (23) 69
- Mecca, M.D., see Capco, D.G. (23) 155
- Mirchandani, M., see Clothier, R.H. (23) 213
- Mittal, B., see Dome, J.S. (23) 37
- Mochii, M., Takeuchi, T., Kodama, R., Agata, K. and Eguchi, G.
The expression of melanosomal matrix protein in the trans-differentiation of pigmented epithelial cells into lens cells (23) 133
- Morcillo, G., see Baretino, D. (23) 27
- Moriyama, R. and Yanagisawa, K.

- Synthesis of specific proteins for sexual development in *Dictyostelium discoideum* (23) 143
- Nomura, H., see Nomura, K. (23) 207
- Nomura, K., Tajima, T., Nomura, H., Shiraishi, H., Uchida, M. and Yamana, K.
Cell to cell adhesion systems in *Xenopus laevis*, the South African clawed toad II: Monoclonal antibody against a novel Ca^{2+} -dependent cell-cell adhesion glycoprotein on amphibian cells (23) 207
- Oettling, G., Schmidt, H., Show-Klett, A. and Drews, U.
Expression of the Ca^{2+} mobilizing muscarinic system in the chick embryo correlates with morphogenesis (23) 77
- Orlando, P., Geremia, R., Frusciante, C., Tedeschi, B. and Grippo, P.
DNA repair synthesis in mouse spermatogenesis involves DNA polymerase β activity (23) 221
- Ostrovsky, D., Sanger, J.W. and Lash, J.W.
Somitogenesis in the mouse embryo (23) 17
- Ozaki, T., Hasegawa, M., Hamada, Y., Tasaka, M., Iwabuchi, M. and Takeuchi, I.
Molecular cloning of cell-type-specific cDNAs exhibiting new types of developmental regulation in *Dictyostelium discoideum* (23) 119
- Parker, C.L., see Finley, R.B. (23) 103
- Péault, B., Coltey, M. and Le Douarin, N.M.
Ontogenic emergence of a quail leukocyte/endothelium cell surface antigen (23) 165
- Picard, A., see Labbé, J.C. (23) 201
- Pochapin, M.B., see Dome, J.S. (23) 37
- Riklis, S., see Kalina, M. (23) 231
- Ruben, L.N., see Clothier, R.H. (23) 213
- Sanger, J.M., see Dome, J.S. (23) 37
- Sanger, J.W., see Dome, J.S. (23) 37
- Sanger, J.W., see Ostrovsky, D. (23) 17
- Schmid, V., see Bally, A. (23) 93
- Schmidt, H., see Oettling, G. (23) 77
- Shiraishi, H., see Nomura, K. (23) 207
- Show-Klett, A., see Oettling, G. (23) 77
- Silbermann, M., see Livne, E. (23) 61
- Tajima, T., see Nomura, K. (23) 207
- Takeuchi, I., see Ozaki, T. (23) 119
- Takeuchi, T., see Mochii, M. (23) 133
- Tasaka, M., see Ozaki, T. (23) 119
- Tedeschi, B., see Orlando, P. (23) 221
- Uchida, M., see Nomura, K. (23) 207
- Van Holde, K.E., see Ausio, J. (23) 175
- Weiss, A., see Livne, E. (23) 61
- West, C.M. and Erdos, G.W.
The expression of glycoproteins in the extracellular matrix of the cellular slime mold *Dictyostelium discoideum* (23) 1
- Wood, P., see Clothier, R.H. (23) 213
- Yamana, K., see Nomura, K. (23) 207
- Yanagisawa, K., see Moriyama, R. (23) 143
- Yokota, Y. and Kato, K.H.
Degradation of yolk proteins in sea urchin eggs and embryos (23) 191

Subject Index Volume 23

Actin

Amphibian; Tropomyosin; Alpha-actinin; Cytoskeleton; Myofibrillogenesis (Dome, J.S. (23) 37)

Aggregate formation

Amphibian; Surface coat; Glycoprotein; Sulfated glycosaminoglycans (Mattsson, M.-O. (23) 69)

Ag-NOR stainings

Starfish, Oogenesis; rDNA amplification; Hybridization in situ (Gaginskaya, E.R. (23) 53)

Alpha-actinin

Myofibril; Actin; Tropomyosin; Cytoskeleton; Myofibrillogenesis (Dome, J.S. (23) 37)

Alveolar macrophage

Alveolar type II-like cell colony; Conditioned media (Kalina, M. (23) 231)

Alveolar type II-like cell colony

Alveolar macrophage; Conditioned media (Kalina, M. (23) 231)

Amphibian

Aggregate formation; Surface coat; Glycoprotein; Sulfated glycosaminoglycans (Mattsson, M.-O. (23) 69)

Frog; Cells (A6, A8 and X69) (Nomura, K. (23) 207)

Angiogenesis

Hemangioblast; Endothelium; Hemopoietic cell (Péault, B. (23) 165)

Aphidicolin

Spermatogenesis; DNA-polymerase α ; DNA-primase; DNA-polymerase β ; DNA-repair (Orlando, P. (23) 221)

Bombix mori

Protein synthesis; Embryogenesis; Heat shock (Dorel, C. (23) 87)

Brain

Muscarinic receptor; Ca^{2+} mobilization; Chick embryo; Morphogenesis; Heart (Oettingling, G. (23) 77)

Ca^{2+} mobilization

Muscarinic receptor; Chick embryo; Morphogenesis; Heart; Brain (Oettingling, G. (23) 77)

Carbohydrate antigen

Dictyostelium discoideum; Glycoprotein expression; Extracellular matrix (West, C.M. (23) 1)

Carbon dioxide

Heat shock; *Chironomus*; Polytene chromosomes (Baretton, D. (23) 27)

Cartilage regeneration

Differentiation; [3H]Thymidine autoradiography; Mandible; Mouse (Livne, E. (23) 61)

Cell differentiation

Dictyostelium discoideum; Prespore cell; Prestalk cell; Cell-type-specific cDNA (Ozaki, T. (23) 119)

Cells (A6, A8 and X69)

Amphibian; Frog (Nomura, K. (23) 207)

Cell type regulation

Cytoplasmic pH; *Dictyostelium discoideum* (Aerts, R.J. (23) 125)

Cell-type-specific cDNA

Dictyostelium discoideum; Prespore cell; Prestalk cell; Cell differentiation (Ozaki, T. (23) 119)

Chick embryo

Muscarinic receptor; Ca^{2+} mobilization; Morphogenesis; Heart; Brain (Oettingling, G. (23) 77)

Chironomus

Heat shock; Carbon dioxide; Polytene chromosomes (Baretton, D. (23) 27)

Coelenterates

Polyp; Medusa; Metagenic life cycle; Two-dimensional gel electrophoresis; Double-label autoradiography (Bally, A. (23) 93)

Conditioned media

Alveolar type II-like cell colony; Alveolar macrophage (Kalina, M. (23) 231)

Cysteine

Spisula solidissima; Histone; Sperm (Ausio, J. (23) 175)

Cytoplasmic pH

Cell type regulation; *Dictyostelium discoideum* (Aerts, R.J. (23) 125)

Cytoskeleton

Myofibril; Actin; Tropomyosin; Alpha-actinin; Myofibrillogenesis (Dome, J.S. (23) 37)

Dictyostelium discoideum

Glycoprotein expression; Extracellular matrix; Carbohydrate antigen (West, C.M. (23) 1)

Prespore cell; Prestalk cell; Cell-type-specific cDNA; Cell differentiation (Ozaki, T. (23) 119)

Cytoplasmic pH; Cell type regulation (Aerts, R.J. (23) 125)

Macrocyst formation giant cell; Sexual cell fusion; Protein synthesis (Moriyama, R. (23) 143)

Differentiation

Cartilage regeneration; [³H]Thymidine autoradiography; Mandible; Mouse (Livne, E. (23) 61)

rDNA amplification

Starfish; Oogenesis; Ag-NOR stainings; Hybridization in situ (Gaginskaya, E.R. (23) 53)

DNA-polymerase α

Spermatogenesis; DNA-primase; DNA-polymerase β ; DNA-repair; Aphidicolin (Orlando, P. (23) 221)

DNA-polymerase β

Spermatogenesis; DNA-polymerase α ; DNA-primase; DNA-repair; Aphidicolin (Orlando, P. (23) 221)

DNA-primase

Spermatogenesis; DNA-polymerase α ; DNA-polymerase β ; DNA-repair; Aphidicolin (Orlando, P. (23) 221)

DNA-repair

Spermatogenesis; DNA-polymerase α ; DNA-primase; DNA-polymerase β ; Aphidicolin (Orlando, P. (23) 221)

Double-label autoradiography

Coelenterates; Polyp; Medusa; Metagenic life cycle; Two-dimensional gel electrophoresis (Bally, A. (23) 93)

Electrophoresis

Sea urchin; Yolk granule; Thiol protease (Yokota, Y. (23) 191)

Embryo

Somitogenesis; Mouse (Ostrovsky, D. (23) 17)

Embryogenesis

Bombix mori; Protein synthesis; Heat shock (Dorel, C. (23) 87)

Endothelium

Hemangioblast; Hemopoietic cell; Angiogenesis (Péault, B. (23) 165)

Extracellular matrix

Dictyostelium discoideum; Glycoprotein expression; Carbohydrate antigen (West, C.M. (23) 1)

Fertilization

Protein; Meiotic maturation; *Xenopus* (Capco, D.G. (23) 155)

Frog

Amphibian; Cells (A6, A8 and X69) (Nomura, K. (23) 207)

Gastrulation

Amphibia; Cell migration; Cell adhesion; Extracellular matrix; Fibronectin (Komazaki, S. (23) 213)

Glycoprotein

Aggregate formation; Amphibian; Surface coat; Sulfated glycosaminoglycans (Mattsson, M.-O. (23) 69)

Glycoprotein expression

Dictyostelium discoideum; Extracellular matrix; Carbohydrate antigen (West, C.M. (23) 1)

Heart

Muscarinic receptor; Ca^{2+} mobilization; Chick embryo; Morphogenesis; Brain (Oetting, G. (23) 77)

Heat shock

Carbon dioxide; *Chironomus*; Polytene chromosomes (Baretino, D. (23) 27)

Bombix mori; Protein synthesis; Embryogenesis (Dorel, C. (23) 87)

Hemangioblast

Endothelium; Hemopoietic cell; Angiogenesis (Péault, B. (23) 165)

Hemopoietic cell

Hemangioblast; Endothelium; Angiogenesis (Péault, B. (23) 165)

Histone

Spisula solidissima; Sperm; Cysteine (Ausio, J. (23) 175)

[³H]Thymidine autoradiography

Cartilage regeneration; Differentiation; Mandible; Mouse (Livne, E. (23) 61)

Hybridization in situ

Starfish; Oogenesis; rDNA amplification; Ag-NOR stainings (Gaginskaya, E.R. (23) 53)

Lipid accumulation

Mouse serum; Myoblast differentiation (Finley, R.B. (23) 103)

Macrocyst formation giant cell

Dictyostelium discoideum; Sexual cell fusion; Protein synthesis (Moriyama, R. (23) 143)

Mandible

Cartilage regeneration; Differentiation; [^3H]Thymidine autoradiography; Mouse (Livne, E. (23) 61)

Maturation-promoting factor

Xenopus; Protein kinase (Labbé, J.C. (23) 201)

Medusa

Coelenterates; Polyp; Metagenic life cycle; Two-dimensional gel electrophoresis; Double-label autoradiography (Bally, A. (23) 93)

Meiotic maturation

Protein; Fertilization; *Xenopus* (Capco, D.G. (23) 155)

Melanosomal matrix protein

Pigmented epithelial cell; Transdifferentiation; Monoclonal antibody (Mochii, M. (23) 133)

Metagenic life cycle

Coelenterates; Polyp; Medusa; Two-dimensional gel electrophoresis; Double-label autoradiography (Bally, A. (23) 93)

Monoclonal antibody

Pigmented epithelial cell; Transdifferentiation; Melanosomal matrix protein (Mochii, M. (23) 133)

Morphogenesis

Muscarinic receptor; Ca^{2+} mobilization; Chick embryo; Heart; Brain (Oettling, G. (23) 77)

Mouse

Somitogenesis; Embryo (Ostrovsky, D. (23) 17)

Cartilage regeneration; Differentiation; [^3H]Thymidine autoradiography; Mandible (Livne, E. (23) 61)

Mouse serum

Myoblast differentiation; Lipid accumulation (Finley, R.B. (23) 103)

Muscarinic receptor

Ca^{2+} mobilization; Chick embryo; Morphogenesis; Heart; Brain (Oettling, G. (23) 77)

Myoblast differentiation

Mouse serum; Lipid accumulation (Finley, R.B. (23) 103)

Myofibril

Actin; Tropomyosin; Alpha-actinin; Cytoskeleton; Myofibrillogenesis (Dome, J.S. (23) 37)

Myofibrillogenesis

Myofibril; Actin; Tropomyosin; Alpha-actinin; Cytoskeleton (Dome, J.S. (23) 37)

Pigmented epithelial cell

Transdifferentiation; Melanosomal matrix protein; Monoclonal antibody (Mochii, M. (23) 133)

Polyp

Coelenterates; Medusa; Metagenic life cycle; Two-dimensional gel electrophoresis; Double-label autoradiography (Bally, A. (23) 93)

Polytene chromosomes

Heat shock; Carbon dioxide; *Chironomus* (Baretino, D. (23) 27)

Polyvinylpyrrolidone (PVP)

Xenopus; Thymus regulation; Thymus independent antigen; Trinitrophenylated polyvinylpyrrolidone (TNP-PVP) (Clothier, R.H. (23) 213)

Prespore cell

Dictyostelium discoideum; Prestalk cell; Cell-type-specific cDNA; Cell differentiation (Ozaki, T. (23) 119)

Prestalk cell

Dictyostelium discoideum; Prespore cell; Cell-type-specific cDNA; Cell differentiation (Ozaki, T. (23) 119)

Protein

Meiotic maturation; Fertilization; *Xenopus* (Capco, D.G. (23) 155)

Protein kinase

Xenopus; Maturation-promoting factor (Labbé, J.C. (23) 201)

Protein synthesis

Bombix mori; Embryogenesis; Heat shock (Dorel, C. (23) 87)

Dictyostelium discoideum; Macrocyst formation giant cell; Sexual cell fusion (Moriyama, R. (23) 143)

Sea urchin

Yolk granule; Electrophoresis; Thiol protease (Yokota, Y. (23) 191)

Sexual cell fusion

Dictyostelium discoideum; Macrocyst formation giant cell; Protein synthesis (Moriyama, R. (23) 143)

Somitogenesis

Mouse; Embryo (Ostrovsky, D. (23) 17)

Sperm

Spisula solidissima; Histone; Cysteine (Ausio, J. (23) 175)

Spermatogenesis

DNA-polymerase α ; DNA-primase; DNA-polymerase β ; DNA-repair; Aphidicolin (Orlando, P. (23) 221)

Spisula solidissima

Histone; Sperm; Cysteine (Ausio, J. (23) 175)

Starfish, Oogenesis

rDNA amplification; Ag-NOR stainings; Hybridization in situ (Gaginskaya, E.R. (23) 53)

Sulfated glycosaminoglycans

Aggregate formation; Amphibian; Surface coat; Glycoprotein (Mattsson, M.-O. (23) 69)

Surface coat

Aggregate formation; Amphibian; Glycoprotein; Sulfated glycosaminoglycans (Mattsson, M.-O. (23) 69)

Thiol protease

Sea urchin; Yolk granule; Electrophoresis (Yokota, Y. (23) 191)

Thymus independent antigen

Xenopus; Thymus regulation; Polyvinylpyrrolidone (PVP); Trinitrophenylated polyvinylpyrrolidone (TNP-PVP) (Clothier, R.H. (23) 213)

Thymus regulation

Xenopus; Thymus independent antigen; Polyvinylpyrrolidone (PVP); Trinitrophenylated polyvinylpyrrolidone (TNP-PVP) (Clothier, R.H. (23) 213)

Transdifferentiation

Pigmented epithelial cell; Melanosomal matrix protein; Monoclonal antibody (Mochii, M. (23) 133)

Trinitrophenylated polyvinylpyrrolidone (TNP-PVP)

Xenopus; Thymus regulation; Thymus independent antigen; Polyvinylpyrrolidone (PVP) (Clothier, R.H. (23) 213)

Tropomyosin

Myofibril; Actin; Alpha-actinin; Cytoskeleton; Myofibrillogenesis (Dome, J.S. (23) 37)

Two-dimensional gel electrophoresis

Coelenterates; Polyp; Medusa; Metagenic life cycle; Double-label autoradiography (Bally, A. (23) 93)

Xenopus

Protein; Meiotic maturation; Fertilization (Capco, D.G. (23) 155)

Thymus regulation; Thymus independent antigen; Polyvinylpyrrolidone (PVP); Trinitrophenylated polyvinylpyrrolidone (TNP-PVP) (Clothier, R.H. (23) 213)

Protein kinase; Maturation-promoting factor (Labbé, J.C. (23) 201)

Yolk granule

Sea urchin; Electrophoresis; Thiol protease (Yokota, Y. (23) 191)

